ELECTRONIC DOCUMENT REVIEW (EDR) USER GUIDE

DEVELOPMENT SERVICES BUILDING PERMIT APPLICATIONS

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Electronic Document Review (EDR) Application Process

Electronic Document Review (EDR) is a new on-line application submittal process provided for limited number of residential permit types. EDR allows applicants to access the <u>On-line Permit Manager</u> (also known as Citizen Access Portal) to submit applications and to receive review comments, redlines, approved plans and issuance documents. The on-line system involves a 7-step process for submitting application, upload of Adobe PDF application materials, payment of fees and obtaining a tracking number. The process allows you to submit and check the status of the EDR submittal on-line 24 hours a day, 7 days a week.

Please note: All EDR application submittals go through the same standard review process as hardcopy paper submittals. <u>Submittal of an EDR application does not expedite the review</u>.

The benefits of the EDR application process eliminates the need for multiple paper copies and a saves on trips to the Maricopa County Planning and Development Department for submittal of application, revisions or modifications. The electronic copy of application materials are simultaneously routed to all County agencies for review/comments. The process will provide the applicant redlines and comments from all agencies in a single consolidated document.

Identified below is a quick checklist of items required to process an application on-line:

- ✓ Setup an On-line Permit Manager Account via On-line Permit Manager (also known as Citizen Access Portal)
- ✓ EDR Application User Guide Provides detailed instructions on the application requirements and the online submittal process
- ✓ Completed and signed Building Activity Application and supporting documents and plans saved in Adobe PDF format
- ✓ Trust account, credit card or bank account to pay application fees

The on-line application process includes a streamlined 7-Step process on-line. The submittal allows you to save a pending application and come back at a later date to complete the submittal. A temporary number will be generated if you decide to hold off on application submittal. Please note this temporary number does not start the review process and is not routed to the Digital Counter for processing.

The streamlined process includes the following screens:

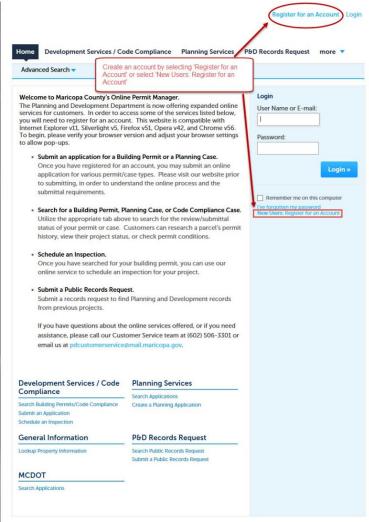
- 1. **Project Information** description of project and selection of land use application
- 2. Applicant Information applicant contact information
- 3. **Owner Information** ownership contact information
- 4. Attachments upload of application materials
- 5. **Review** review of data entry for the EDR application
- 6. Pay Fees payment of application fees for certain permit types, if applicable
- 7. **Initialization** case tracking number provided

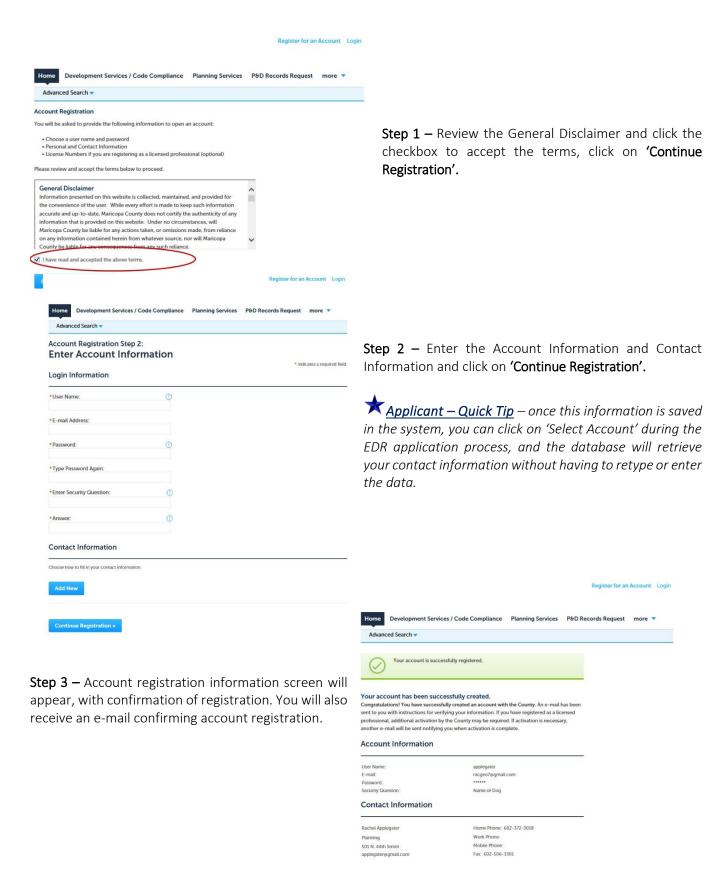


How to Setup an Account - On-line Permit Manager

Go to the On-line Permit Manager to register for an account.

Register for an Account - Click on 'Register for an Account'. EDR application submittal requires setting up an On-Line Citizen Access account. Begin Account Registration by reviewing and accepting the general disclaimer.





Types of Building Applications being accepted for EDR

Planning and Development currently has all residential permit types available for the EDR on-line application process. The following listing identifies all permit types being accepted for EDR submittal.

<u>Applicant Tip:</u> Please see the individual sections within this User Guide for required application materials, instructions, required attachments and fee structure.

Residential New	Residential Accessory	Residential Addition
Residential Alteration	Residential Demolition	Residential Manufactured Home
Residential New w/ Basement	Residential Pools and Spas	Residential Production
Residential Minor Mechanical/	Expedited New	Residential Minor Non-Technical
Plumbing/Electrical		
Residential Minor Web Issued	Expedited Pools and Spas	

Download the Application Form and listing of Required Documentation

Download the Building Activity Application and Residential Construction Packet on our website from the <u>Residential Construction page</u>. These materials will contain the complete application packet, an applicant guide, residential checklist, zoning information, inspection guidelines and other pertinent information. In addition, online submittals will require the Digital Customer Checklist found on the <u>EDR website page</u>.

The **Building Activity Application** and the **Digital Customer Checklist** must be filled out completely with signatures. Once the forms are filled out and signed, scan the documents as Adobe PDFs for upload on Step 4 - Attachments.

Submittal Requirements and Recommendations

Please use the following instructions to prepare your documents for electronic plan check. Note that *Plans* have different submittal recommendations than supporting documents/attachments.

- ✓ All PDF files must be under **50 MB** in size.
- ✓ Paper sizes should not exceed **36x48 inches**.
- ✓ Resolution should not exceed 200 DPI.
- ✓ Files must be saved in PDF 1.4 OR GREATER.

<u>Applicant – Quick Tip:</u> Retain a copy of the submitted file to later verify the filename and sheet order (during resubmittal). Revision/Resubmittals may be rejected if not submitted with a filename that exactly matches the original submittal filename.

A. PREPARING PLANS FOR SUBMITTAL

Creating PDF's: Each 'Plan' (or 'Plan set') must be saved as a flattened/optimized PDF. Flatten the drawing layers in your CAD program prior to creating the PDF, or use the 'SAVE AS/FLATTENED' and/or optimized PDF option available in your PDF tool. Plans that have 'layers' are not acceptable.

Saving PDF's with consistently formatted, sequential bookmarks is helpful and encouraged. If multiple PDF's are merged, verify that bookmarks are consistent. Nested bookmarks are not officially supported. Ideally, a bookmark consists of the Sheet number and a short description (example: G1.0 General Notes)

Naming Plan Sets:

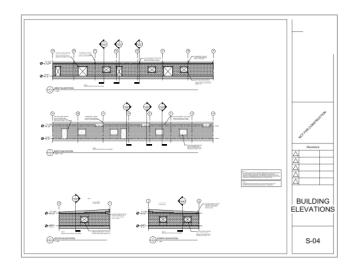
We recommend grouping and submitting plans in smaller, logical sets to facilitate the electronic plan review. For example, the Grading and Drainage plans should include all pages in one pdf; photovoltaic details should all be grouped in one pdf; building plans should be in one pdf, etc.

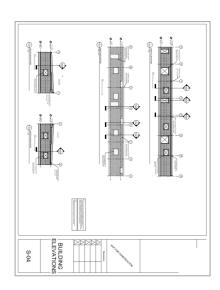
Page Orientation and Alignment:

1. <u>Pages must all be properly oriented</u>, meaning upright, **not** sideways or upside down, so that the document can be viewed without rotation. Failure to submit correctly oriented plans will result in the rejection of the plans and closure of the permit number during Digital Intake, see the Digital Customer Checklist.

*Applicant – Quick Tip

To verify that pages are properly oriented, open the document in your <u>PDF application</u> and do a 'print preview'. Scroll through each page in the preview window to make sure the pages are properly oriented. Make sure the correct paper size is selected.





CORRECT

NOT CORRECT

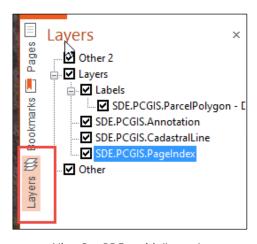
- 2. <u>Alignment: Plan drawings must be created in your CAD program so that drawing perimeters</u> 'line up' exactly when overlaid electronically.
 - Revised/corrected plans <u>must 'line up' with the original submittal</u> to facilitate comparing versions electronically.
- 3. Plans must be saved 'to-scale' to ensure proper measuring of lines and areas electronically.
 - Include a scale on each sheet or include the measurements for each object.

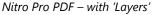
- 4. Plans should be plotted/drawn using a <u>black and white</u> plot style. Grayscale, monochrome and colored pens are not encouraged.
- 5. **Do not submit password protected or locked PDF documents.** Plan reviews are conducted on copies of the original files provided. The original PDF's are not changed in any manner.
- 6. After saving the CAD files to PDF format, ensure that no 'comments' or 'editable content' exists in the file. (Embedded hyperlinks are acceptable.)
- 7. Paper plans scanned from a photocopy to PDF format are acceptable, but should be clearly legible and follow the same rules noted above.
- 8. Open each PDF using *Adobe Reader/Adobe Pro* and select 'File/Save As'. Adobe is the best tool for resolving corrupted or malformed files. <u>Do not submit PDF's that Adobe indicates are corrupted</u>.
 - Ensure the file name meets the naming recommendations noted above.

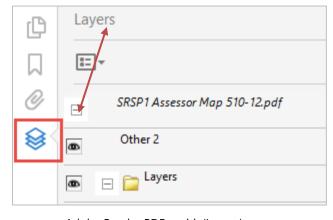
Electronic plan review software <u>relies</u> on correct (PDF/A compliant) information that is embedded in every PDF document (the *metadata*). For intellectual property and security reasons, plan review software does not and should not change incoming files. Here are some guidelines for *resolving potential issues* before you submit your plans.

How can I tell if my PDF has 'Layers' or other 'Editable Content'?

Most *PDF compliant* software (like *Adobe Reader, Adobe Pro, Nitro Pro*, etc.) display a Layers *icon* when a document contains layers, (see below). The Layers icon <u>is not displayed</u> if the file contains no layers recognized by the PDF tool.







Adobe Reader PDF – with 'Layers'

Other 'Editable content' includes: active form fields, stamps, comment or text boxes, signatures, or markups that can be deleted from the PDF by any user. Editable fields will have a blue background within the PDF.

Open the Comment window in your PDF tool to see these types of objects. <u>If any of these are found, please flatten the PDF or remove them</u>. These include plans that use *AutoCAD SHX Text* objects – this font type that has compatibility issues in many PDF viewers.

Why do 'Layers' and 'Editable Content' need to be removed from the PDF?

Many tools on the market convert CAD drawings/plans to a PDF format. Unfortunately, some of these tools do not properly translate CAD layers or content. Additionally, conversion irregularities introduced by the CAD program or flatbed scanner may introduce errors into the PDF document. Do not submit files with *any editable content*. If an 'object' can be edited or deleted in the PDF, the document is not acceptable.

Why is page rotation so important?

PDF tools that allow users to 'rotate' pages <u>should properly record that 'rotation' within the PDF document.</u>
When this rotation is not properly set by the PDF software, those pages may end up printing upside down or sideways when they are sent to a printer.

What does PDF optimization do?

PDF Optimization reduces file size by removing embedded fonts, compressing images and removing unused objects and improper metadata. Optimization is critical to reduce or eliminate PDF corruption.

B. NAMING SUPPLEMENTAL DOCUMENTS

Supplemental documents or attachments are any files that are not plan sets. These may include Permit Applications, Soils Reports, Calculations, images, etc. These must also be **submitted in PDF format with a unique, descriptive filename.**

Attachments and Naming Convention Structure

There are specific naming conventions that must be followed when saving files for EDR application submittal. The table shown below specifies the required application submittal documents and required naming convention and document descriptions. This may not be all inclusive.

Required Documents	Application Documents	Naming Convention	<u>Document Description</u>
✓	Building Activity Application	BLDG-APPL	1 st Sub-Building Activity Application
✓	Digital Checklist	DIGT-CKLT	1 st Sub-Digital Checklist Form
✓	Unofficial/Official Recorded Deed	DEED-DETL	1 st Sub-Deed
✓	Site Plan	SITE-PLAN	1 st Sub-Site Plan
✓	Grading and Drainage Plan	GRAD-PLAN	1 st Sub-G&D Plan
✓	Construction Plans	BLDG-PLAN	1 st Sub-Building Plans
If applicable	Structural Calculations	STRU-CALC	1 st Sub-Structural Calculations
If applicable	Truss Calculations	TRUS-CALC	1 st Sub-Truss Calculations
If applicable	Load Calculations	LOAD-CALC	1 st Sub-Load Calculations
If applicable	Specifications	SPEC-DETL	1 st Sub-Specifications
If applicable	Fence, Gate or Wall Details	FENC-DETL	1 st Sub-Fence, Gate or Wall Details
If applicable	Drainage Report/Plan	DRAI-RPTS	1 st Sub-Drainage Report

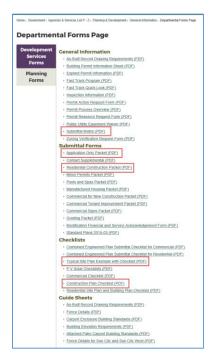
If applicable	Environmental Serv.	ENVS-DOCU	1 st Sub-Environmental Receipt
	Documentation		
If applicable	Standard Plan Authorization	SPAL-LTTR	1 st Sub-Standard Plan Authorization
	Letter		Letter
If applicable	Will Serve Letter	WLSR-LTTR	1 st Sub-Will Serve Letter
If applicable	Work Order for MH	WKOR-DOCU	1 st Sub-Work Order
If applicable	PUE Waiver	PUEW-DOCU	1 st Sub-PUE Waiver
If applicable	Finished Floor Letter	FFLT-LTTR	1 st Sub- Finished Floor Letter
If applicable	Temporary Benchmark Letter	TMBK-LTTR	1 st Sub- Temporary Benchmark Letter
If applicable	Special Inspection Certificate	SPLI-DOCU	1 st Sub- Special Inspection Certificate
If applicable	Contact Supplemental	CONT-DOCU	1 st Sub- Contact Supplemental
✓	Response letter	RESP-LTTR	2 nd Sub-Response Letter

Required Documents

For all submittals, the **Building Activity Application** and associated pages must be completed and uploaded. This is a fillable pdf form found on our website at http://az-maricopacounty.civicplus.com/3991/Departmental-Forms-Page

A site plan or grading and drainage plan is also required with most submittals. You may refer to the **Submittal Matrix** also found on the Departmental Forms page of our website. There are some permit types that can use an aerial in lieu of a site plan. Under "Checklists" on that same page, you will find the **Typical Site Plan Example with Checklist**.

Construction plans are also required and can vary depending on the work to be permitted. Refer to the **Residential Construction Packet** for more information. We also have a **Construction Plan Checklist** for guidance on what needs to be included in your construction plans.



The **Digital Checklist** is also a required document and must be signed and submitted with your other documents.

It is necessary that all documents follow the Naming Convention as outlined above. Failure to follow the Naming convention will result in the closure of your permit.

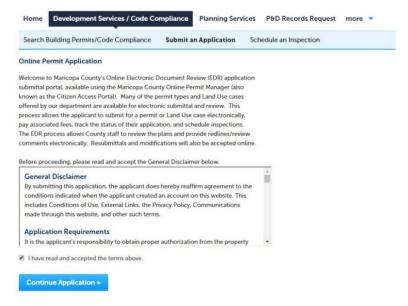
EDR – Select a Permit/Application Type

Once an account has been setup, login with the account information and follow the steps as identified below for application submittal.

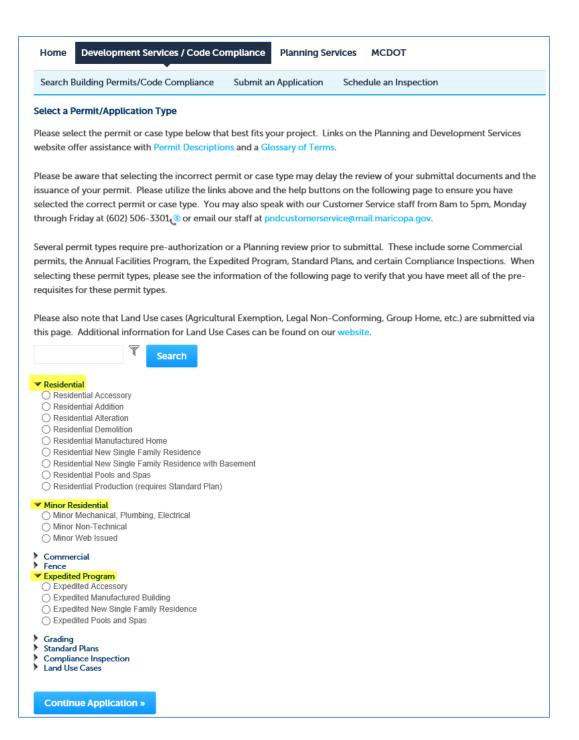


Go to 'Development Services/Code Compliance' located within the top banner. Navigate to the blue banner and click on 'Submit an Application'.

Review the General Disclaimer and check the box indicating that you have read and accepted the terms. Click on 'Continue Application'.

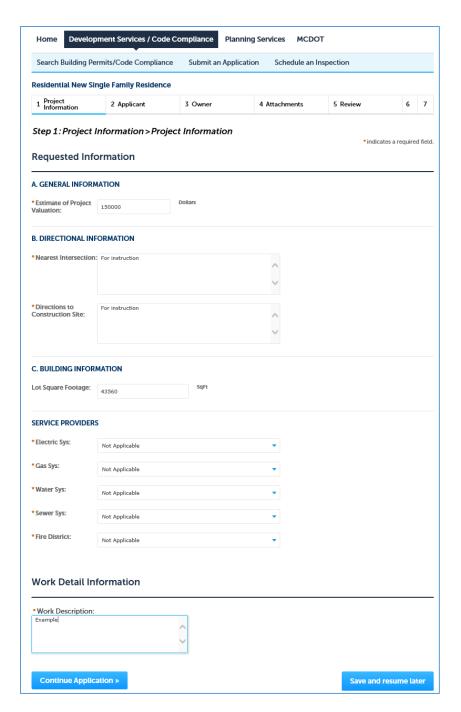


On the drop down listing, click the arrow to expand the **Residential**, **Minor Residential** or **Expedited** permit selections. Select the button for the permit type appropriate to your project. Click on **'Continue Application'**. For instructional purposes, we will continue with a Residential New permit type.



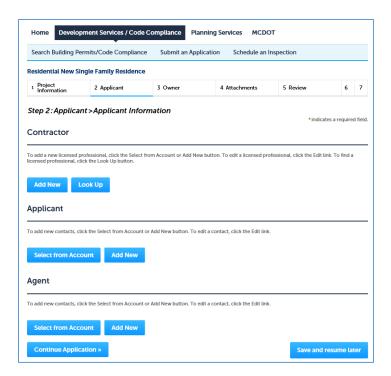
EDR – Step 1 – Project Information

On the Project Information step, fill out all required fields and then 'Continue Application'. If you are unsure about any service providers, you may select "Not Applicable".

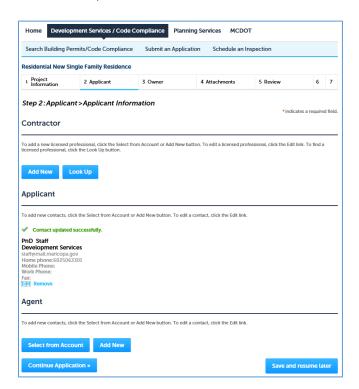


EDR – Step 2 – Applicant Information

This screen displays the applicant information, this will be the primary contact person with the EDR application. Staff will coordinate comments with the listed applicant. Only one applicant can be identified for notification. Please note due to creation of the On-line Permit Manager account, you can default your contact information by selecting 'Select from Account'.

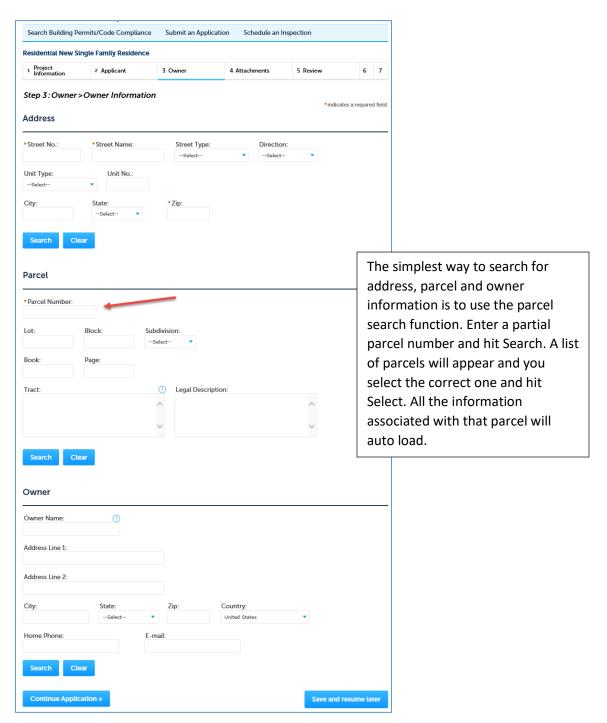


The on-line system also allows you to enter a contractor, select 'Add New' and enter the contactor's information. Or you can use the "Look Up" function to auto load a contractor's information. Click on 'Continue' when completed.

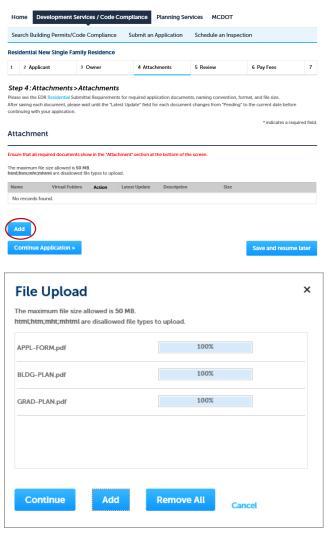


EDRR – Step 3 – Owner Information

This screen displays the owner's information. Please note the system is setup to <u>enter a single property owner</u>. Enter the Owner's name, address, city, state, zip, phone and e-mail. Please note staff will utilize the applicant's information screen (Step 2) as the primary contact with the EDR application and for providing review comments. Once the screen is completed you can click on 'Save and resume later' or 'Continue Application'.



EDR – Step 4 – Attachments



This screen allows you to upload the required Adobe PDF application and documents.

Applicant Tip: Please note the file size limitation is 50 MB.

Click on 'Add' to attach files.

Once you click on 'Add' a pop-up window will appear, click on 'Add', this will display the files on your computer, navigate to the files for upload and click on 'Open'.

The pop-up for file upload will show the file name and percentage of upload.

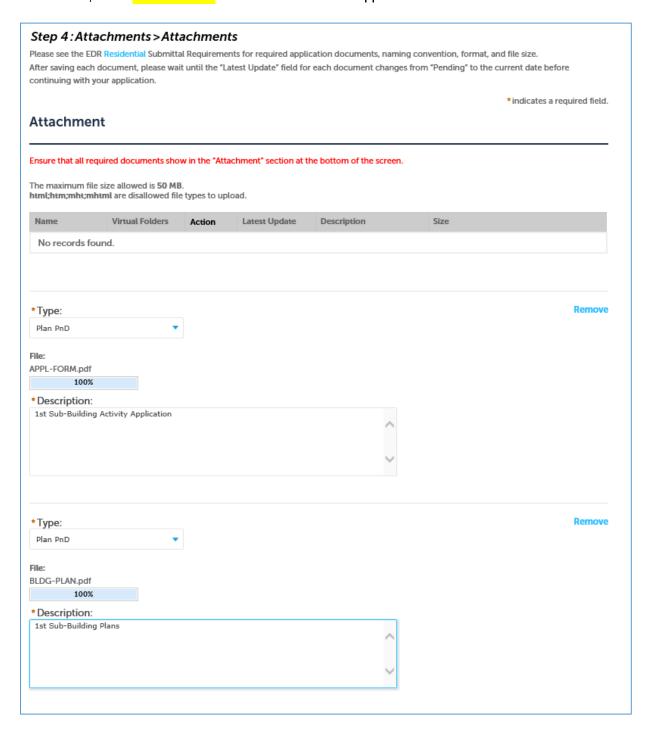
The pop-up window has the following options:

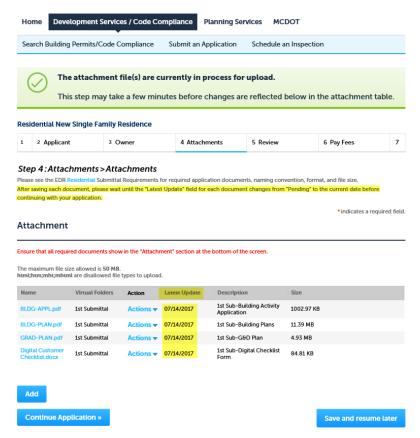
'Continue' - make this selection if you have completed all upload of file documents.

'Add' – this feature allows you to include additional files.

'Remove All' – this will remove all linked attached documents.

Click on 'Continue', the attachments page will appear showing the files, percentage of upload and document descriptions. Please see the <u>Attachments and Naming Structure</u> within this guide for text to be entered with the document descriptions. Click on 'Save' then click on 'Continue Application'.





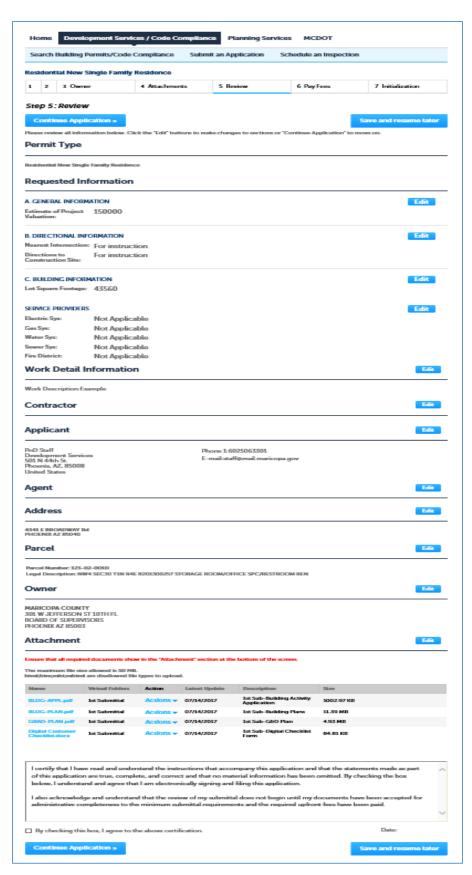
A summary screen of the uploaded attachments will appear. Please note the section marked as 'Latest Update' must change from 'Pending' to the date of application submittal, do not press 'Continue Application' until you see a date listed for each attachment.

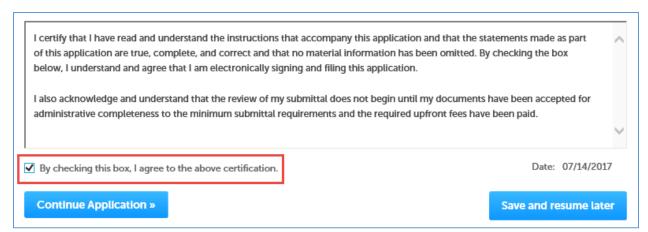
Please note the top banner screen will indicate, 'That attachment(s) has/have been successfully uploaded' — please note this is a standard banner which will upload when the screen loads. There may be instances where the system is still generating the upload, so please wait until a date is identified in the 'Latest Update'.

Click on 'Continue Application' to proceed to Step 5 to review the EDR application.

EDR – Step 5 – Review

The Review screen is a summary screen of the data entered and uploaded attachments associated with the EDR application. Review each field and make any modifications by clicking on the **'Edit'** button. Review the certification statement and click the checkbox verifying application information. Click on **'Continue Application'**. See image of the Review screen on the next page.



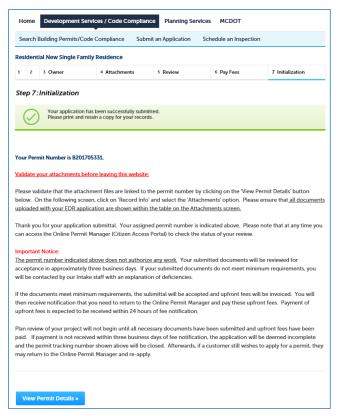


Please note the certification check box that must be checked to continue to Initialization.

EDR – Step 6 – Pay Fees

Applicant Tip: Please note that step 6 is skipped as fees are not invoiced until project acceptance.

EDR – Step 7 – Initialization



The final step in this process is the initialization screen which will provide a permit tracking number.

The tracking number will also be displayed within the 'My Records' screen.

Validation of Submitted Attachments

Please validate that all submitted attachments are linked with the permit tracking number. Click on the 'View Permit Details' button on Step 7 – Initialization. Click on 'Record Info' and select 'Attachments'. Please ensure that all documents were uploaded with the EDR application and are shown within the table of the Attachments screen.

Digital Counter Review and Assessment

Once a tracking number is assigned to the project, the application materials will be submitted to the Digital Counter for review. You will receive an automated email to notify you that the Digital Counter has the submittal. If the submittal meets minimum requirements, the project will be accepted and upfront fees assessed. At that point you will receive another automated email advising you of acceptance and that upfront fees are available for payment.

If the submittal materials do not meet the minimum requirements, you will receive notification by automated email that the permit was **Closed**. You will also receive an email with the **Digital Counter Checklist** noting what was incomplete or deficient. Note that documents have requirements as well as, i.e., Naming Convention and PDF requirements, in addition to the site and construction plan checklist items.

For projects that have been accepted, once payment has been made, the Digital Counter will move the project forward for technical review. The applicant will receive an automated email with completion of these workflows tasks. That will complete the Digital Intake Review portion of the process.